EASY CHECK-OUT WITH ENHANCED SECURITY

Abstract of the Disclosure

This invention relates to a contactless label chipcard
including payment and identification information and a
check-out system including a contactless reader for reading
and updating payment information stored in that label
chipcard. According to this invention all articles offered
in a store are labeled with a contactless label chipcard. In
the memory of the label chipcard at least product
identification information (number) and payment status
information (paid or no paid) are stored. In a further
embodiment of the present invention the chipcard stores
additionally product price information as well an
authentication key. For carry out that invention the
check-out system requires an additional computer program
which executes the communication between the label chipcard
and the check-out system inclusively the payment. Passing
the check-out system with the cart in which articles with
attached label chipcards are placed a communication between
contactless label chipcard and checkout system will be
established. Preferably the communication is established
over a radio field generated by a generator of the check-out
system. Based on the information received from the label
chipcard, the check-out system generates the invoice or bill
and the payment status information for each article will be
updated into PAID. Articles having the payment status not
paid will be detected by a warning system which is part of
the check-out system.

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This invention allows buying articles without recording them manually by the cashier. This is more convenient for the customer as well the cashier. Furthermore, the customer does not have to unpack his cart and put all articles from

5   the cart onto belt and back in his cart after the articles are scanned. Due to the faster processing, less cashier systems and less personnel are necessary. In the case the customer scans the articles himself, the invention will be used to check the accuracy of the list scanned by the

10   customer.